



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 9
75 Hawthorne Street
San Francisco, CA 94105

South Bay Groundwater Sites Vapor Intrusion Evaluations (*Dec. 2013 Update*)

*Indoor Air Studies in Cupertino, Mountain View,
Palo Alto, South San Jose, Santa Clara, and Sunnyvale*



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SOUTH BAY SITES SUMMARY

- Much of the groundwater beneath South Bay cities is contaminated with chlorinated solvents, primarily trichloroethene or TCE, generally from accidental releases from business operations many years ago
- Indoor air studies in nearby neighborhoods aim to address potential for TCE and other vapors in groundwater to come up through soil and accumulate in buildings above the contamination (“vapor intrusion”)
- EPA is working closely with its state, local and industry partners to expand vapor intrusion evaluations to areas where TCE concentrations in shallow groundwater exceed 5 micrograms per liter (µg/L)
- Drinking water is not affected by this contamination
- EPA recently issued investigation guidelines for these studies, including information on short-term risks of TCE to developing fetus & seasonal variability of vapor intrusion (higher potential in colder weather)
- Please e-mail morash.melanie@epa.gov to be added to a new South Bay e-mail list for periodic updates

SOUTH BAY SITES AT A GLANCE

Site Name	Background & State Contacts	Vapor Intrusion Status
Triple Site: Former AMD 901/902 / TRW Microwave / Phillips / Off-Site Operable Unit (Sunnyvale)	Chlorinated solvents in groundwater & potential vapor intrusion. <i>San Francisco Bay Regional Water Quality Control Board Contact:</i> Max Shahbazian, Professional Geologist (510) 622-4824 mshahbazian@waterboards.ca.gov	Investigations are ongoing at some source buildings and certain nearby properties. Additional vapor intrusion evaluations needed in nearby neighborhoods.
Former AMD 915 DeGuigne Drive (Sunnyvale)		
Former AMD/Monolithic Memories, 1165/1175 East Arques Avenue (Sunnyvale)		
National Semiconductor (Santa Clara)		
Former Fairchild Semiconductor, 101 Bernal Road (San Jose)		
Hewlett Packard, 620-640 Page Mill Road (Palo Alto)	TCE in groundwater & potential vapor intrusion. <i>San Francisco Bay Regional Water Quality Control Board Contact:</i> Roger Papler, Professional Geologist (510) 622-2435 roger.papler@waterboards.ca.gov	Phase one residential sampling complete in nearby neighborhoods. Phase two residential evaluations being planned. Commercial building evaluations ongoing.
Intersil/Siemens (Sunnyvale & Cupertino)		
Teledyne Semiconductor / Spectra-Physics (Mountain View)		
Synertek Building 1 (Santa Clara)	Chlorinated solvents in groundwater & potential vapor intrusion. <i>San Francisco Bay Regional Water Quality Control Board Contact:</i> David Barr, Water Resource Control Engineer (510) 622-2313 david.barr@waterboards.ca.gov	Additional vapor intrusion evaluations needed in nearby neighborhood.